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**ABSTRACT**

A fault condition monitoring apparatus for use with a fuse cutout includes a housing operable to be supported by the fuse cutout. The housing has first and second contacts operable to make electrical contact with fuse contacts on the fuse cutout when the housing is supported by the fuse cutout. A current sensor is mounted inside the housing and is connected to the first and second contacts. A signaling device is coupled to the current sensor and is operable to cause a signal to be produced when current sensed by the current sensor meets a criterion.